



421808  
SEQUENCE LISTING

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Wolfgang, Curt  
The Government of the United States of America  
as represented by the Secretary of the  
Department of Health and Human Services

<120> T-Cell Receptor Gamma Alternate Reading Frame Protein,  
(TARP) and Uses Thereof

<130> 4239-61854-01

<140> 10/031,158  
<141> 2002-01-11

<150> PCT/US00/19039  
<151> 2000-07-12

<150> US 60/157,471  
<151> 1999-10-01

<150> US 60/143,560  
<151> 1999-07-13

<160> 34

<170> PatentIn Ver. 2.1

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<210> 13  
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 <213> Homo sapiens  
  
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 <222> (74)..(247)  
 <223> Coding region for PS-TCR gamma 1 polypeptide  
 (TARP)  
  
 <220>  
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<222> (247)..(579)

<223> Coding region for PS-TCR gamma 2 polypeptide (deduced amino acid sequence not displayed along with DNA sequence, due to overlapping CDS's)

<400> 13

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               Met Gln Met Phe Pro Pro Ser Pro Leu Phe Phe Phe
               1               5               10

ctt caa ttg ctg aaa caa agc tcc aga agg ctg gaa cat acc ttt gtc      157
Leu Gln Leu Leu Lys Gln Ser Ser Arg Arg Leu Glu His Thr Phe Val
               15               20               25

ttc ttg aga aat ttt tcc ctg atg tta tta aga tac att ggc aag aaa      205
Phe Leu Arg Asn Phe Ser Leu Met Leu Leu Arg Tyr Ile Gly Lys Lys
               30               35               40

aga aga gca aca cga ttc tgg gat ccc agg agg gga aca cca      247
Arg Arg Ala Thr Arg Phe Trp Asp Pro Arg Arg Gly Thr Pro
               45               50               55

tgaagactaa cgacacatac atgaaattta gctggttaac ggtgccagaa aagtcactgg 307
acaagaaca cagatgtatc gtcagacatg agaataataa aaacggagtt gatcaagaaa 367
ttatctttcc tccaataaag acggatgtca tcacaatgga tcccaaagac aattgttcaa 427
aagatgcaaa tgatacacta ctgctgcagc tcacaaacac ctctgcatat tacatgtacc 487
tcctcctgct cctcaagagt gtggtctatt ttgccatcat cacctgctgt ctgcttagaa 547
gaacggcttt ctgctgcaat ggagagaaat cataacagac ggtggcacia ggaggccatc 607
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ctggggtttg gccatttcag ttctcatgtg tgtactattc tatcattatt gtataacggt 727
tttcaaacca gtgggcacac agagaacctc actctgtaat aacaatgagg aatagccacg 787
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gcctgctata gtgtagacat cctgcggctt ctagccttgt ccctctctta gtgttcttta 907
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<213> Homo sapiens

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Lys Gln Ser Ser Arg Arg Leu Glu His Thr Phe Val Phe Leu Arg Asn
      20               25               30
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Phe Ser Leu Met Leu Leu Arg Tyr Ile Gly Lys Lys Arg Arg Ala Thr  
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Arg Phe Trp Asp Pro Arg Arg Gly Thr Pro  
50 55

<210> 15

<211> 111

<212> PRT

<213> Homo sapiens

<400> 15

Met Lys Thr Asn Asp Thr Tyr Met Lys Phe Ser Trp Leu Thr Val Pro  
1 5 10 15

Glu Lys Ser Leu Asp Lys Glu His Arg Cys Ile Val Arg His Glu Asn  
20 25 30

Asn Lys Asn Gly Val Asp Gln Glu Ile Ile Phe Pro Pro Ile Lys Thr  
35 40 45

Asp Val Ile Thr Met Asp Pro Lys Asp Asn Cys Ser Lys Asp Ala Asn  
50 55 60

Asp Thr Leu Leu Leu Gln Leu Thr Asn Thr Ser Ala Tyr Tyr Met Tyr  
65 70 75 80

Leu Leu Leu Leu Leu Lys Ser Val Val Tyr Phe Ala Ile Ile Thr Cys  
85 90 95

Cys Leu Leu Arg Arg Thr Ala Phe Cys Cys Asn Gly Glu Lys Ser  
100 105 110

<210> 16

<211> 16

<212> PRT

<213> Homo sapiens

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<223> Partial amino acid sequence of TARP (residues  
42-57)

<400> 16

Gly Lys Lys Arg Arg Ala Thr Arg Phe Trp Asp Pro Arg Arg Gly Thr  
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<210> 17

<211> 16

<212> PRT

<213> Dictyostelium discoideum

<220>

<223> Partial amino acid sequence of Tup1 (dTup,  
residues 521-536)

<400> 17

Gly Ser Lys Asp Arg Ser Val Gln Phe Trp Asp Pro Arg Asn Gly Thr  
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<210> 18  
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<212> PRT  
<213> Saccharomyces cerevisiae  
  
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<223> Partial amino acid sequence of Tup1 (yTup1,  
residues 626-660)  
  
<400> 18  
Gly Ser Lys Asp Arg Gly Val Leu Phe Trp Asp Lys Lys Ser Gly Asn  
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atctggcacc acaccttcta caatgagctg cg

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<213> Homo sapiens

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<223> Protein kinase phosphorylation site

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Arg Arg Ala Thr

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<210> 33

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<213> Homo sapiens



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<223> Protein kinase phosphorylation site

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Arg Arg Gly Thr  
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